3-MEGATON BLAST SET OFF BY CHINA. U.S. AGENCY SAYS

Explosion, Believed to Be Thermonuclear, Marks the Resumption of Testing

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Special to The New York Times

WASHINGTON, Dec. 27-Communist China was reported to have resumed its nuclear testing program today with the explosion in the atmosphere of a device-presumably thermonuclear—having a yield three megatons.

The Atomic Energy Commission announced that it had detected the blast early this morning and said it originated in the Lop Nor testing area ir Sinkiang Province in northwest ern China.

The agency said the explosion, the eighth detected by the United States since China's testing began in October, 1964, was "about the same" as the ent said: sixth test, which took place on June 17, 1967.

megatons, the equivalent of three million tons of TNT, was China's last recorded testofficially described by the ok place on Christmas Eve United States and China as Pedetected by the United States.

essary reaction did not take created by today's explosion.

was a technical failure. time for the last three years. A hydrogen bomb's energy The explosion might be related omic nuclei at very high which falls on Dec. 26—14 there said they thought that that set off explosions at about this plast was a technical failure, time for the last three years. comes from the fusion of small to Mao Tse-tung's birthday, atomic nuclei at very high which falls on Dec. 26 lie was temperatures, while an atomic 75 yesterday. But within China Continued on Page 11, Column 4 of Mr. Mao's birthday.

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bomb releases energy derived from the fission, or splitting, of nuclei.

Throughout this last year there has been considerable speculation on the reasons for apparent slowdown

China's program.
Some analysts believed that the Cultural Revolution in China—with its political upheavals and purges — might now have begun to interfere

that the program has been pro- evidence of thermonuclear in-

ceeding, if at a slower pace. China, which has refused to sign the treaty banning all but mittee on Atomic Energy said underground nuclear explosions, announced its first six was making "rapid progress" explosions with great enthusiams, but said nothing about the seventh — or — "duo" — for weapons in the megaton detonation. As of late this after-noon, China had announced It s nothing publicly about today's been more rapid and surprisexplosion, leading to curiosity ingly more effective than had among officials here.

"The United States Atomic nineteen-seventies.

Energy Commission announced to the left the left the left. today the detection of a Chi-to the last thermonuclear one, nese Communist atmospheric it probably was of the three-nuclear test, which took place egatons, the equivalent of 2:30 A.M. E.S.T. Dec. 27. This ree million tons of TNT, was is the eighth Chipage Communist atmospheric it probably was of the three-stage, or fission-fusion-fission, type, involving the use of enriched uranium (U-235), is the eighth Chipage Communist atmospheric it probably was of the three-stage, or fission-fusion-fission, type, involving the use of enriched uranium (U-235), is the eighth Chipage Communist atmospheric in the first three-stage and the first three-stage and the three-stage are the first three-stage. is the eighth Chinese Communist atmospheric nuclear test

> "The detonation had a yield of about three megatons, about the same as the sixth Chinese test, which took place on June 17, 1967.'

It was too soon, officials

of 20 kilotons—the equivalent of 20,000 tons of TNT. It was believed to have been detonated from a tower.



warhead was apparently tested on a 400- to 500-mile missile. Two months later, on Dec. 27, with the work of nuclear scientists. Others suggested that 1966, a device of "a few hunthere might be technical snags. dred kilotons" was tested on a Today's blast would indicate tower and there was additional gredients.

The joint Congressional Com-

It said that "progress has nong officials here.

They wondered if anything dicted."

been expected or indeed predicted."

They wondered it any times had gone wrong with the test or if China had adopted a "no ment, the United States has made plans to begin the demander of an antiballistic Announcement by Agency ployment of an antiballistic missile system to guard against possible Chinese attack in the

If today's blast was similar lithium-6, and natural uranium (U-238). It is believed that the June, 1967, device was dropped from an airplane.

The second dev

27, 1966, a low-yield

'Slowdown' in Program

1967, and was believed to haveking's first thermonuclear, or been an attempt at a thermonuclear, did not officials later said that the nec information yet on fallout place, and only the atomic They said they saw no reason said, to give a more detailed 14, 1965, was about a trigger" exploded, with a yield to believe the blast was consanalysis of today's explosion the magnitude of the first one, analysis of today's explosion the magnitude of the first one, but the magnitude of the blast and was believed to have been so for an all they said, that indicated, they said, that indicated, they said, that indicated, om May 3, and was thermonuclear.